



Ex. 6 - Personal Privacy

Fw: metal results/Yeager (for internal use only)
Lora Werner to: Angela McFadden
Cc: pomaes.ana, helverson.robert, markiewicz.karl

11/02/2012 02:53 PM

From: Lora Werner/R3/USEPA/US
To: Angela McFadden/R3/USEPA/US@EPA
Cc: pomaes.ana@epa.gov, helverson.robert@epa.gov, markiewicz.karl@epa.gov

History: This message has been replied to and forwarded.

Hi, Angela

Ana reviewed the results for Ex. 6 - Personal Privacy as summarized in the letter from the law firm to PADEP that you shared, and I discussed this info with Karl. As Ana summarizes below, none of the results were above health-based comparison values (CVs) except for cobalt, which was higher than a screening value for a child. We don't have screening values for silicon, tin, or titanium. As far as the silicon results go, the concentration in his water is similar to the range seen in the historic (pre-EPA) Dimock samples, and is many times lower than the mean daily intakes of silicon identified by the FDA Total Diet Study, so we don't expect it to be a level of public health concern (note we have very little info on children's exposures and silicon, however).

So, no red flags for health concern from what we could see in this brief review.

Lora

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----- Forwarded by Lora Werner/R3/USEPA/US on 11/02/2012 02:34 PM -----

From: Ana Pomaes/R3/USEPA/US
To: Werner.Lora@epamail.epa.gov
Date: 11/02/2012 01:34 PM

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Subject:

Ex. 6 - Personal Privacy

metal Results

Hi Lora

Based on the results reported on the letter, cobalt concentrations were the only ones above a CV. There was a hit for 204 ppb and the child EMEG is 100. However, I wasn't able to screen for silicon, tin or titanium. The spreadsheet you gave me does not have CVs for those. Are these in any documents? Please let me know and I'll check.

Ana

Metal	Concentration mg/L	PPB				CV
Silicon	3.98	3,980		4,050	6,010	n/a
Tin	002.0 or 0.002?	2,000 (if it's 2, can't tell from report)				n/a
Titanium	0.002	2				n/a
Cobalt	0.204	204				Intermediate EMEG Child = 100 ppb; Intermediate EM
Copper	0.008	8				Intermediate/Acute EMEG Child = 100 ppb; Intermedi
Boron	0.245	245		180		2,000/7,000 {2,000 child
Aluminum	0.013	13				10,000 ppb; Chronic/Intermediate EMEG Adult = 35,00
Nickel	0.004	4				200 /700
Lithium	0.006	6				
Molybdenum	0.013	13				RMEG Child = 50 ppb; RMEG Adult = 180 ppb.
Zinc	0.011, 0.008	11		8		3,000 / 10,000 11,000